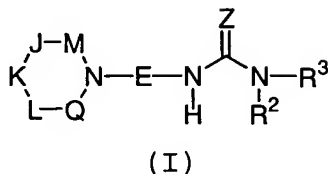


What is Claimed is:

1. A compound of formula (I):



or stereoisomers or pharmaceutically acceptable salts thereof, wherein:

10 M is absent or selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ ,  $\text{CR}^{13}\text{R}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

Q is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ ,  $\text{CR}^{13}\text{R}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

15 K is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$  and  $\text{CHR}^6$ ;

J and L are independently selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^6$ ,  $\text{CR}^6\text{R}^6$  and  $\text{CR}^5\text{R}^6$ ;

20 with the provisos:

1) at least one of M, J, K, L, or Q contains an  $\text{R}^5$ ;  
and

25 2) when M is absent, J is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

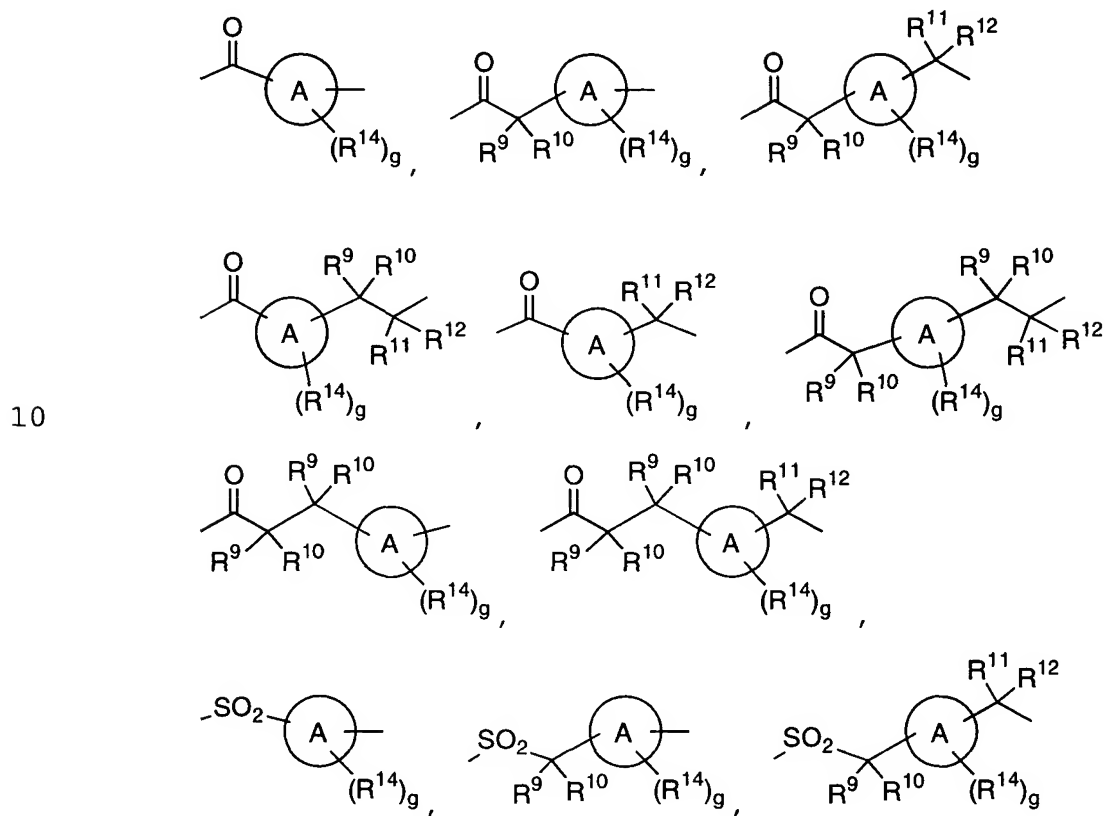
Z is selected from O, S,  $\text{NR}^{1a}$ ,  $\text{C}(\text{CN})_2$ ,  $\text{CH}(\text{NO}_2)$ , and  $\text{CHCN}$ ;

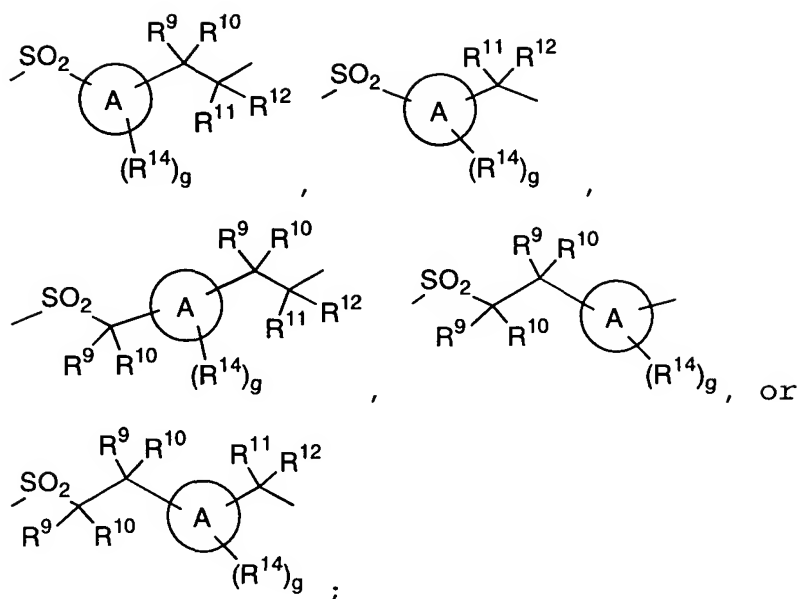
30

$\text{R}^{1a}$  is selected from H,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$  cycloalkyl,  $\text{CONR}^{1b}\text{R}^{1b}$ ,  $\text{OR}^{1b}$ , CN,  $\text{NO}_2$ , and  $(\text{CH}_2)_w\text{phenyl}$ ;

$R^{1b}$  is independently selected from H,  $C_{1-3}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

5 E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ ,  $-(SO_2)-(CR^9R^{10})_v-$   
 $(CR^{11}R^{12})-$ ,





5

Ring A is a  $\text{C}_{3-8}$  carbocyclic residue;

$\text{R}^2$  is selected from H,  $\text{C}_{1-8}$  alkyl,  $\text{C}_{3-8}$  alkenyl,  $\text{C}_{3-8}$  alkynyl, and a  $(\text{CH}_2)_r\text{-C}_{3-10}$  carbocyclic residue substituted with 0-5  $\text{R}^a$ ;

10

$\text{R}^a$ , at each occurrence, is selected from  $\text{C}_{1-4}$  alkyl,  $\text{C}_{2-8}$  alkenyl,  $\text{C}_{2-8}$  alkynyl,  $(\text{CH}_2)_r\text{C}_{3-6}$  cycloalkyl, Cl, Br, I, F,  $(\text{CF}_2)_r\text{CF}_3$ ,  $\text{NO}_2$ , CN,  $(\text{CH}_2)_r\text{NR}^b\text{R}^b$ ,  $(\text{CH}_2)_r\text{OH}$ ,  $(\text{CH}_2)_r\text{OR}^c$ ,  $(\text{CH}_2)_r\text{SH}$ ,  $(\text{CH}_2)_r\text{SR}^c$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{R}^b$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{NR}^b\text{R}^b$ ,  $(\text{CH}_2)_r\text{NR}^b\text{C}(\text{O})\text{R}^b$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{OR}^b$ ,  $(\text{CH}_2)_r\text{OC}(\text{O})\text{R}^c$ ,  $(\text{CH}_2)_r\text{CH}(\text{=NR}^b)\text{NR}^b\text{R}^b$ ,  $(\text{CH}_2)_r\text{NHC}(\text{=NR}^b)\text{NR}^b\text{R}^b$ ,  $(\text{CH}_2)_r\text{S}(\text{O})_p\text{R}^c$ ,  $(\text{CH}_2)_r\text{S}(\text{O})_2\text{NR}^b\text{R}^b$ ,  $(\text{CH}_2)_r\text{NR}^b\text{S}(\text{O})_2\text{R}^c$ , and  $(\text{CH}_2)_r\text{phenyl}$ ;

15

20

$\text{R}^b$ , at each occurrence, is selected from H,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$  cycloalkyl, and phenyl;

$R^C$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

$R^3$  is selected from  $(CH_2)_rN(CH_3)_2$ , a  $(CR^{3'}R^{3''})_r-C_{3-8}$  carbocyclic residue substituted with 0-5  $R^{15}$ ; a  $(CR^{3'}R^{3''})_r-C_{9-10}$  carbocyclic residue substituted with 0-4  $R^{15}$ ; and a  $(CR^{3'}R^{3''})_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{15}$ ;

$R^{3'}$  and  $R^{3''}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and phenyl;

$R^5$  is selected from a  $(CR^{5'}R^{5''})_t-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{16}$  and a  $(CR^{5'}R^{5''})_t-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{16}$ ;

$R^{5'}$  and  $R^{5''}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and phenyl;

$R^6$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $(CF_2)_rCF_3$ , CN,  $(CH_2)_rNR^{6a}R^{6a'}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rOR^{6b}$ ,  $(CH_2)_rSH$ ,  $(CH_2)_rSR^{6b}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{6b}$ ,  $(CH_2)_rC(O)NR^{6a}R^{6a'}$ ,  $(CH_2)_rNR^{6d}C(O)R^{6a}$ ,  $(CH_2)_rC(O)OR^{6b}$ ,  $(CH_2)_rOC(O)R^{6b}$ ,  $(CH_2)_rS(O)_pR^{6b}$ ,  $(CH_2)_rS(O)_2NR^{6a}R^{6a'}$ ,

$(\text{CH}_2)_r\text{NR}^{6d}\text{S}(\text{O})_2\text{R}^{6b}$ , and  $(\text{CH}_2)_t\text{phenyl}$  substituted  
with 0-3  $\text{R}^{6c}$ ;

5  $\text{R}^{6a}$  and  $\text{R}^{6a'}$ , at each occurrence, are selected from H,  
 $\text{C}_{1-6}$   
alkyl,  $\text{C}_{3-6}$  cycloalkyl, and phenyl substituted with  
0-3  $\text{R}^{6c}$ ;

10  $\text{R}^{6b}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
 $\text{C}_{3-6}$   
cycloalkyl, and phenyl substituted with 0-3  $\text{R}^{6c}$ ;

$\text{R}^{6c}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$   
cycloalkyl, Cl, F, Br, I, CN,  $\text{NO}_2$ ,  $(\text{CF}_2)_r\text{CF}_3$ ,  
15  $(\text{CH}_2)_r\text{OC}_{1-5}$  alkyl,  $(\text{CH}_2)_r\text{OH}$ ,  $(\text{CH}_2)_r\text{SC}_{1-5}$  alkyl, and  
 $(\text{CH}_2)_r\text{NR}^{6d}\text{R}^{6d}$ ;

$\text{R}^{6d}$ , at each occurrence, is selected from H,  $\text{C}_{1-6}$  alkyl,  
and  $\text{C}_{3-6}$  cycloalkyl;

20  
with the proviso that when any of J, K, or L is  $\text{CR}^6\text{R}^6$   
and  $\text{R}^6$  is halogen, cyano, nitro, or bonded to the  
carbon to which it is attached through a  
heteroatom, the other  $\text{R}^6$  is not halogen, cyano, or  
25 bonded to the carbon to which it is attached  
through a heteroatom;

$\text{R}^9$ , is selected from H,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-8}$  alkenyl,  $\text{C}_{2-8}$   
alkynyl, F, Cl, Br, I,  $\text{NO}_2$ , CN,  $(\text{CHR}')_r\text{OH}$ ,  
30  $(\text{CH}_2)_r\text{OR}^{9d}$ ,  $(\text{CH}_2)_r\text{SR}^{9d}$ ,  $(\text{CH}_2)_r\text{NR}^{9a}\text{R}^{9a'}$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{OH}$ ,  
 $(\text{CH}_2)_r\text{C}(\text{O})\text{R}^{9b}$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{NR}^{9a}\text{R}^{9a'}$ ,  $(\text{CH}_2)_r\text{NR}^{9a}\text{C}(\text{O})\text{R}^{9a}$ ,  
 $(\text{CH}_2)_r\text{NR}^{9a}\text{C}(\text{O})\text{H}$ ,  $(\text{CH}_2)_r\text{C}(\text{O})\text{OR}^{9b}$ ,  $(\text{CH}_2)_r\text{OC}(\text{O})\text{R}^{9b}$ ,  
 $(\text{CH}_2)_r\text{OC}(\text{O})\text{NR}^{9a}\text{R}^{9a'}$ ,  $(\text{CH}_2)_r\text{NR}^{9a}\text{C}(\text{O})\text{OR}^{9b}$ ,

(CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>9b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>9a</sup>R<sup>9a'</sup>,  
 (CH<sub>2</sub>)<sub>r</sub>NR<sup>9a</sup>S(O)<sub>2</sub>R<sup>9b</sup>, C<sub>1-6</sub> haloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub>  
 carbocyclic residue substituted with 0-5 R<sup>9c</sup>, and a  
 (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing  
 5 1-4 heteroatoms selected from N, O, and S,  
 substituted with 0-3 R<sup>9c</sup>;

R<sup>9a</sup> and R<sup>9a'</sup>, at each occurrence, are selected from H,  
 C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-</sub>  
 10 10 carbocyclic residue substituted with 0-5 R<sup>9e</sup>,  
 and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system  
 containing 1-4 heteroatoms selected from N, O, and  
 S, substituted with 0-3 R<sup>9e</sup>;

15 alternatively, R<sup>9a</sup> and R<sup>9a'</sup>, along with the N to which  
 they are attached, join to form a 5-6 membered  
 heterocyclic system containing 1-2 heteroatoms  
 selected from NR<sup>9g</sup>, O, and S and optionally fused  
 with a benzene ring or a 6-membered aromatic  
 20 heterocycle;

R<sup>9b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl,  
 C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic  
 residue substituted with 0-2 R<sup>9e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6  
 25 membered heterocyclic system containing 1-4  
 heteroatoms selected from N, O, and S, substituted  
 with 0-3 R<sup>9e</sup>;

R<sup>9c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl,  
 30 C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> cycloalkyl,  
 Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>9f</sup>R<sup>9f</sup>,  
 (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>9b</sup>, (CH<sub>2</sub>)<sub>r</sub>SR<sup>9b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH,  
 (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>9b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>9f</sup>R<sup>9f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>9f</sup>C(O)R<sup>9a</sup>,

$(\text{CH}_2)_r\text{C}(\text{O})\text{OR}^{9b}$ ,  $(\text{CH}_2)_r\text{OC}(\text{O})\text{R}^{9b}$ ,  
 $(\text{CH}_2)_r\text{C}(=\text{NR}^{9f})\text{NR}^{9f}\text{R}^{9f}$ ,  $(\text{CH}_2)_r\text{S}(\text{O})_p\text{R}^{9b}$ ,  
 $(\text{CH}_2)_r\text{NHC}(=\text{NR}^{9f})\text{NR}^{9f}\text{R}^{9f}$ ,  $(\text{CH}_2)_r\text{S}(\text{O})_2\text{NR}^{9f}\text{R}^{9f}$ ,  
 $(\text{CH}_2)_r\text{NR}^{9f}\text{S}(\text{O})_2\text{R}^{9b}$ , and  $(\text{CH}_2)_r\text{phenyl}$  substituted  
 5 with 0-3  $\text{R}^{9e}$ ;

$\text{R}^{9d}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$   
 6 alkenyl,  $\text{C}_{3-6}$  alkynyl, a  $\text{C}_{3-10}$  carbocyclic residue  
 substituted with 0-3  $\text{R}^{9c}$ , and a 5-6 membered  
 10 heterocyclic system containing 1-4 heteroatoms  
 selected from the group consisting of N, O, and S  
 substituted with 0-3  $\text{R}^{9c}$ ;

$\text{R}^{9e}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
 15  $\text{C}_{2-8}$  alkenyl,  $\text{C}_{2-8}$  alkynyl,  $(\text{CH}_2)_r\text{C}_{3-6}$  cycloalkyl,  
 Cl, F, Br, I, CN,  $\text{NO}_2$ ,  $(\text{CF}_2)_r\text{CF}_3$ ,  $(\text{CH}_2)_r\text{OC}_{1-5}$  alkyl,  
 OH, SH,  $(\text{CH}_2)_r\text{SC}_{1-5}$  alkyl,  $(\text{CH}_2)_r\text{NR}^{9f}\text{R}^{9f}$ , and  
 $(\text{CH}_2)_r\text{phenyl}$ , wherein the phenyl on the  
 $(\text{CH}_2)_r\text{phenyl}$  is substituted with 0-5 substituents  
 20 selected from F, Cl, Br, I,  $\text{NO}_2$ ,  $\text{C}_{1-6}$ alkyl, OH, and  
 $\text{NR}^{9f}\text{R}^{9f}$ ;

$\text{R}^{9f}$ , at each occurrence, is selected from H,  $\text{C}_{1-6}$  alkyl,  
 and  $\text{C}_{3-6}$  cycloalkyl;

25  $\text{R}^{9g}$  is selected from H,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$  cycloalkyl,  
 $(\text{CH}_2)_r\text{phenyl}$ ,  $\text{C}(\text{O})\text{R}^{9f}$ ,  $\text{C}(\text{O})\text{OR}^{9h}$ , and  $\text{SO}_2\text{R}^{9h}$ ;

$\text{R}^{9h}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl, and  
 30  $\text{C}_{3-6}$  cycloalkyl;

$R^{10}$ , is selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl, F, Cl, Br, I,  $NO_2$ , CN,  $(CHR')_rOH$ ,  
 $(CH_2)_rOR^{10d}$ ,  $(CH_2)_rSR^{10d}$ ,  $(CH_2)_rNR^{10a}R^{10a'}$ ,  
 $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{10b}$ ,  $(CH_2)_rC(O)NR^{10a}R^{10a'}$ ,  
5  $(CH_2)_rNR^{10a}C(O)R^{10a}$ ,  $(CH_2)_rNR^{10a}C(O)H$ ,  
 $(CH_2)_rC(O)OR^{10b}$ ,  $(CH_2)_rOC(O)R^{10b}$ ,  
 $(CH_2)_rOC(O)NR^{10a}R^{10a'}$ ,  $(CH_2)_rNR^{10a}C(O)OR^{10b}$ ,  
 $(CH_2)_rS(O)_pR^{10b}$ ,  $(CH_2)_rS(O)_2NR^{10a}R^{10a'}$ ,  
 $(CH_2)_rNR^{10a}S(O)_2R^{10b}$ ,  $C_{1-6}$  haloalkyl, a  $(CH_2)_r-C_{3-10}$   
10 carbocyclic residue substituted with 0-5  $R^{10c}$ , and  
a  $(CH_2)_r-5-10$  membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3  $R^{10c}$ ;  
  
15  $R^{10a}$  and  $R^{10a'}$ , at each occurrence, are selected from H,  
 $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$   
10 carbocyclic residue substituted with 0-5  $R^{10e}$ ,  
and a  $(CH_2)_r-5-10$  membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
20 S, substituted with 0-3  $R^{10e}$ ;

alternatively,  $R^{10a}$  and  $R^{10a'}$ , along with the N to which  
they are attached, jointo form a 5-6 membered  
heterocyclic system containing 1-2 heteroatoms  
25 selected from  $NR^{10g}$ , O, and S and optionally fused  
with a benzene ring or a 6-membered aromatic  
heterocycle;

$R^{10b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
30  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-6}$  carbocyclic  
residue substituted with 0-2  $R^{10e}$ , and a  $(CH_2)_r-5-6$   
membered heterocyclic system containing 1-4



heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>10e</sup>;

5 R<sup>10c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>SR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>C(O)R<sup>10a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>10b</sup>, 10 (CH<sub>2</sub>)<sub>r</sub>C(=NR<sup>10f</sup>)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>NHC(=NR<sup>10f</sup>)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>S(O)<sub>2</sub>R<sup>10b</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3 R<sup>10e</sup>;

15 R<sup>10d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, and a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>10c</sup>;

20 R<sup>10e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

25 R<sup>10f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

R<sup>10g</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>10f</sup>, SO<sub>2</sub>R<sup>10h</sup>, and C(O)O R<sup>10h</sup>;

30 R<sup>10h</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl;

alternatively, R<sup>9</sup> and R<sup>10</sup> join to form =O, a C<sub>3-10</sub> cycloalkyl, a 5-6-membered lactone or lactam, or a 4-6-membered saturated heterocycle containing 1-2 heteroatoms selected from O, S, and NR<sup>10g</sup> and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

with the proviso that when either of R<sup>9</sup> or R<sup>10</sup> is bonded to the carbon to which it is attached through a heteroatom, then the other of R<sup>9</sup> or R<sup>10</sup> is not halogen, cyano, or bonded to the carbon to which it is attached through a heteroatom;

R<sup>11</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CR'R<sup>17</sup>)<sub>q</sub>OH, (CH<sub>2</sub>)<sub>q</sub>SH, (CR'R<sup>17</sup>)<sub>q</sub>OR<sup>11d</sup>, (CH<sub>2</sub>)<sub>q</sub>SR<sup>11d</sup>, (CR'R<sup>17</sup>)<sub>q</sub>NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)R<sup>11a</sup>, (CH<sub>2</sub>)<sub>q</sub>OC(O)NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)OR<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)NHR<sup>11a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>OC(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>S(O)<sub>p</sub>R<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>S(O)<sub>2</sub>NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>S(O)<sub>2</sub>R<sup>11b</sup>, C<sub>1-6</sub> haloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11c</sup>, and a (R'R<sup>17</sup>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11c</sup>;

R<sup>11a</sup> and R<sup>11a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system

containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

alternatively, R<sup>11a</sup> and R<sup>11a'</sup> along with the N to which they are attached, jointly form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>11g</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

R<sup>11b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

R<sup>11c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>-CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>-NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>-OH, (CH<sub>2</sub>)<sub>r</sub>-OC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>-SC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>-C(O)OH, (CH<sub>2</sub>)<sub>r</sub>-C(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>-C(O)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>-NR<sup>11f</sup>C(O)R<sup>11a</sup>, (CH<sub>2</sub>)<sub>r</sub>-C(O)OC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>-OC(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>-C(=NR<sup>11f</sup>)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>-NHC(=NR<sup>11f</sup>)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>-S(O)<sub>p</sub>R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>-S(O)<sub>2</sub>NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>-NR<sup>11f</sup>S(O)<sub>2</sub>R<sup>11b</sup>, and (CH<sub>2</sub>)<sub>r</sub>-phenyl substituted with 0-3 R<sup>11e</sup>;

R<sup>11d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, and a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>11c</sup>;

$R^{11e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{11f}R^{11f}$ , and  
 5  $(CH_2)_rphenyl$ , wherein the phenyl on the  $(CH_2)_rphenyl$  is substituted with 0-5 substituents selected from F, Cl, Br, I,  $NO_2$ ,  $C_{1-6}alkyl$ , OH, and  $NR^{9f}R^{9f}$ ;

10  $R^{11f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

$R^{11g}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_rphenyl$ ,  $C(O)R^{11f}$ ,  $C(O)OR^{11h}$ , and  $SO_2R^{11h}$ ;

15  $R^{11h}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

$R^{12}$ , is selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CHR')_qOH$ ,  $(CH_2)_qSH$ ,  $(CHR')_qOR^{12d}$ ,  
 20  $(CH_2)_qSR^{12d}$ ,  $(CHR')_qNR^{12a}R^{12a'}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{12b}$ ,  $(CH_2)_rC(O)NR^{12a}R^{12a'}$ ,  $(CH_2)_qNR^{12a}C(O)R^{12a}$ ,  $(CH_2)_rOC(O)NR^{12a}R^{12a'}$ ,  $(CH_2)_rNR^{12a}C(O)OR^{12b}$ ,  $(CH_2)_qNR^{12a}C(O)NHR^{12a}$ ,  
 25  $(CH_2)_rC(O)OR^{12b}$ ,  $(CH_2)_qOC(O)R^{12b}$ ,  $(CH_2)_qS(O)_pR^{12b}$ ,  $(CH_2)_qS(O)_2NR^{12a}R^{12a'}$ ,  $(CH_2)_qNR^{12a}S(O)_2R^{12b}$ ,  $C_{1-6}$  haloalkyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{12c}$ , and a  $(R'R^{17})_{r-5-10}$  membered heterocyclic system containing 1-4  
 30 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12c}$ ;

$R^{12a}$  and  $R^{12a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{12e}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12e}$ ;

alternatively,  $R^{12a}$  and  $R^{12a'}$ , along with the N to which they are attached, jointo form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from  $NR^{12g}$ , O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

$R^{12b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r$ - $C_{3-6}$  carbocyclic residue substituted with 0-2  $R^{12e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12e}$ ;

$R^{12c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_r$ - $C_{3-6}$  cycloalkyl, Cl, Br, I, F,  $(CF_2)_rCF_3$ ,  $NO_2$ , CN,  $(CH_2)_rNR^{12f}R^{12f}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rOC_{1-4}$  alkyl,  $(CH_2)_rSC_{1-4}$  alkyl,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{12b}$ ,  $(CH_2)_rC(O)NR^{12f}R^{12f}$ ,  $(CH_2)_rNR^{12f}C(O)R^{12a}$ ,  $(CH_2)_rC(O)OC_{1-4}$  alkyl,  $(CH_2)_rOC(O)R^{12b}$ ,  $(CH_2)_rC(=NR^{12f})NR^{12f}R^{12f}$ ,  $(CH_2)_rNHC(=NR^{12f})NR^{12f}R^{12f}$ ,  $(CH_2)_rS(O)_pR^{12b}$ ,  $(CH_2)_rS(O)_2NR^{12f}R^{12f}$ ,  $(CH_2)_rNR^{12f}S(O)_2R^{12b}$ , and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{12e}$ ;

R<sup>12d</sup>, at each occurrence, is selected from methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>12e</sup>, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, and a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>12c</sup>;

5

R<sup>12e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>12f</sup>R<sup>12f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

10

R<sup>12f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

15 R<sup>12g</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>12f</sup>, C(O)OR<sup>12h</sup>, and SO<sub>2</sub>R<sup>12h</sup>;

R<sup>12h</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

20

alternatively, R<sup>11</sup> and R<sup>12</sup> join to form a C<sub>3-10</sub> cycloalkyl, a 5-6-membered lactone or lactam, or a 4-6-membered saturated heterocycle containing 1-2 heteroatoms selected from O, S, and NR<sup>11g</sup> and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

25

R<sup>13</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, (CF<sub>2</sub>)<sub>w</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>13a</sup>R<sup>13a'</sup>, (CHR')<sub>q</sub>OH, (CH<sub>2</sub>)<sub>q</sub>OR<sup>13b</sup>, (CH<sub>2</sub>)<sub>q</sub>SH, (CH<sub>2</sub>)<sub>q</sub>SR<sup>13b</sup>, (CH<sub>2</sub>)<sub>w</sub>C(O)OH, (CH<sub>2</sub>)<sub>w</sub>C(O)R<sup>13b</sup>, (CH<sub>2</sub>)<sub>w</sub>C(O)NR<sup>13a</sup>R<sup>13a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>13d</sup>C(O)R<sup>13a</sup>,

30

$(\text{CH}_2)_w\text{C}(\text{O})\text{OR}^{13b}$ ,  $(\text{CH}_2)_q\text{OC}(\text{O})\text{R}^{13b}$ ,  $(\text{CH}_2)_w\text{S}(\text{O})_p\text{R}^{13b}$ ,  
 $(\text{CH}_2)_w\text{S}(\text{O})_2\text{NR}^{13a}\text{R}^{13a'}$ ,  $(\text{CH}_2)_q\text{NR}^{13d}\text{S}(\text{O})_2\text{R}^{13b}$ , and  
 $(\text{CH}_2)_w$ -phenyl substituted with 0-3  $\text{R}^{13c}$ ;

5  $\text{R}^{13a}$  and  $\text{R}^{13a'}$ , at each occurrence, are selected from H,  
 $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$  cycloalkyl, and phenyl substituted  
with 0-3  $\text{R}^{13c}$ ;

$\text{R}^{13b}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
10  $\text{C}_{3-6}$   
cycloalkyl, and phenyl substituted with 0-3  $\text{R}^{13c}$ ;

$\text{R}^{13c}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
 $\text{C}_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $\text{NO}_2$ ,  $(\text{CF}_2)_r\text{CF}_3$ ,  
15  $(\text{CH}_2)_r\text{OC}_{1-5}$  alkyl,  $(\text{CH}_2)_r\text{OH}$ ,  $(\text{CH}_2)_r\text{SC}_{1-5}$  alkyl, and  
 $(\text{CH}_2)_r\text{NR}^{13d}\text{R}^{13d}$ ;

$\text{R}^{13d}$ , at each occurrence, is selected from H,  $\text{C}_{1-6}$  alkyl,  
and  $\text{C}_{3-6}$  cycloalkyl;

20  $\text{R}^{14}$ , at each occurrence, is selected from H,  $\text{C}_{1-6}$  alkyl,  
 $\text{C}_{2-8}$  alkenyl,  $\text{C}_{2-8}$  alkynyl,  $(\text{CH}_2)_r\text{C}_{3-6}$  cycloalkyl,  
Cl, Br, I, F,  $\text{NO}_2$ , CN,  $(\text{CHR}')_r\text{NR}^{14a}\text{R}^{14a'}$ ,  $(\text{CHR}')_r\text{OH}$ ,  
 $(\text{CHR}')_r\text{O}(\text{CHR}')_r\text{R}^{14d}$ ,  $(\text{CHR}')_r\text{SH}$ ,  $(\text{CHR}')_r\text{C}(\text{O})\text{H}$ ,  
25  $(\text{CHR}')_r\text{S}(\text{CHR}')_r\text{R}^{14d}$ ,  $(\text{CHR}')_r\text{C}(\text{O})\text{OH}$ ,  
 $(\text{CHR}')_r\text{C}(\text{O})(\text{CHR}')_r\text{R}^{14b}$ ,  $(\text{CHR}')_r\text{C}(\text{O})\text{NR}^{14a}\text{R}^{14a'}$ ,  
 $(\text{CHR}')_r\text{NR}^{14f}\text{C}(\text{O})(\text{CHR}')_r\text{R}^{14b}$ ,  $(\text{CHR}')_r\text{OC}(\text{O})\text{NR}^{14a}\text{R}^{14a'}$ ,  
 $(\text{CHR}')_r\text{NR}^{14f}\text{C}(\text{O})\text{O}(\text{CHR}')_r\text{R}^{14b}$ ,  $(\text{CHR}')_r\text{C}(\text{O})\text{O}(\text{CHR}')_r\text{R}^{14d}$ ,  
 $(\text{CHR}')_r\text{OC}(\text{O})(\text{CHR}')_r\text{R}^{14b}$ ,  $(\text{CHR}')_r\text{C}(=\text{NR}^{14f})\text{NR}^{14a}\text{R}^{14a'}$ ,  
30  $(\text{CHR}')_r\text{NHC}(=\text{NR}^{14f})\text{NR}^{14f}\text{R}^{14f}$ ,  $(\text{CHR}')_r\text{S}(\text{O})_p(\text{CHR}')_r\text{R}^{14b}$ ,  
 $(\text{CHR}')_r\text{S}(\text{O})_2\text{NR}^{14a}\text{R}^{14a'}$ ,  $(\text{CHR}')_r\text{NR}^{14f}\text{S}(\text{O})_2(\text{CHR}')_r\text{R}^{14b}$ ,

C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3  
 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R',  
 (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>14e</sup>, and a  
 (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing  
 5 1-4 heteroatoms selected from N, O, and S,  
 substituted with 0-2 R<sup>15e</sup>, or two R<sup>14</sup> substituents  
 on adjacent atoms on ring A form to join a 5-6  
 membered heterocyclic system containing 1-3  
 heteroatoms selected from N, O, and S substituted  
 10 with 0-2 R<sup>15e</sup>;

R<sup>14a</sup> and R<sup>14a'</sup>, at each occurrence, are selected from H,  
 C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-</sub>  
 10 carbocyclic residue substituted with 0-5 R<sup>14e</sup>,  
 15 and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system  
 containing 1-4 heteroatoms selected from N, O, and  
 S, substituted with 0-2 R<sup>14e</sup>;

R<sup>14b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl,  
 20 C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic  
 residue substituted with 0-3 R<sup>14e</sup>, and (CH<sub>2</sub>)<sub>r</sub>-5-6  
 membered heterocyclic system containing 1-4  
 heteroatoms selected from N, O, and S, substituted  
 with 0-2 R<sup>14e</sup>;

25 R<sup>14d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl,  
 C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted  
 with 0-3 R<sup>14e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue  
 substituted with 0-3 R<sup>14e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered  
 30 heterocyclic system containing 1-4 heteroatoms  
 selected from N, O, and S, substituted with 0-3  
 R<sup>14e</sup>;



- $R^{14e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_r C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_r CF_3$ ,  $(CH_2)_r OC_{1-5}$  alkyl, OH, SH,  $(CH_2)_r SC_{1-5}$  alkyl,  $(CH_2)_r NR^{14f} R^{14f}$ , and
- 5  $(CH_2)_r$ phenyl;
- $R^{14f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;
- 10  $R^{15}$ , at each occurrence, is selected from  $C_{1-8}$  alkyl,  $(CH_2)_r C_{3-6}$  cycloalkyl, Cl, Br, I, F,  $NO_2$ , CN,  $(CR'R^{17})_r NR^{15a} R^{15a'}$ ,  $(CR'R^{17})_r OH$ ,  $(CR'R^{17})_r O(CHR')_r R^{15d}$ ,  $(CR'R^{17})_r SH$ ,  $(CR'R^{17})_r C(O)H$ ,  $(CR'R^{17})_r S(CHR')_r R^{15d}$ ,  $(CR'R^{17})_r C(O)OH$ ,
- 15  $(CR'R^{17})_r C(O)(CHR')_r R^{15b}$ ,  $(CR'R^{17})_r C(O)NR^{15a} R^{15a'}$ ,  $(CR'R^{17})_r NR^{15f} C(O)(CHR')_r R^{15b}$ ,  $(CR'R^{17})_r OC(O)NR^{15a} R^{15a'}$ ,  $(CR'R^{17})_r NR^{15f} C(O)O(CHR')_r R^{15b}$ ,  $(CR'R^{17})_r NR^{15f} C(O)NR^{15f} R^{15f}$ ,
- 20  $(CR'R^{17})_r C(O)O(CHR')_r R^{15d}$ ,  $(CR'R^{17})_r OC(O)(CHR')_r R^{15b}$ ,  $(CR'R^{17})_r C(=NR^{15f})NR^{15a} R^{15a'}$ ,  $(CR'R^{17})_r NHC(=NR^{15f})NR^{15f} R^{15f}$ ,  $(CR'R^{17})_r S(O)_p(CHR')_r R^{15b}$ ,  $(CR'R^{17})_r S(O)_2 NR^{15a} R^{15a'}$ ,  $(CR'R^{17})_r NR^{15f} S(O)_2(CHR')_r R^{15b}$ ,  $C_{1-6}$  haloalkyl,  $C_{2-8}$
- 25 alkenyl substituted with 0-3  $R'$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R'$ ,  $(CR'R^{17})_r$ phenyl substituted with 0-3  $R^{15e}$ , and a  $(CH_2)_{r-5-10}$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted
- 30 with 0-2  $R^{15e}$ ;

- R<sup>15a</sup> and R<sup>15a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>15e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>;
- alternatively, R<sup>15a</sup> and R<sup>15a'</sup>, along with the N to which they are attached, jointly form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>15h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;
- R<sup>15b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>15e</sup>, and (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>;
- R<sup>15d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>15e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>15e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>15e</sup>;
- R<sup>15e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, 2-cyanoethyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl,

- (CH<sub>2</sub>)<sub>r</sub>NR<sup>15f</sup>R<sup>15f</sup>, (CH<sub>2</sub>)<sub>r</sub>phenyl, and a heterocycle substituted with 0-1 R<sup>15g</sup>, wherein the heterocycle is selected from imidazole, thiazole, oxazole, pyrazole, 1,2,4-triazole, 1,2,3-triazole, isoxazole, and tetrazole,;
- 5 R<sup>15f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl;
- 10 R<sup>15g</sup> is selected from methyl, ethyl, acetyl, and CF<sub>3</sub>;
- R<sup>15h</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>15f</sup>, C(O)OR<sup>15i</sup>, and SO<sub>2</sub>R<sup>15i</sup>;
- 15 R<sup>15i</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl;
- R<sup>16</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CHR')<sub>r</sub>NR<sup>16a</sup>R<sup>16a'</sup>, (CHR')<sub>r</sub>OH, (CHR')<sub>r</sub>O(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>SH, (CHR')<sub>r</sub>C(O)H, (CHR')<sub>r</sub>S(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>C(O)OH, (CHR')<sub>r</sub>C(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(O)NR<sup>16a</sup>R<sup>16a'</sup>, (CHR')<sub>r</sub>NR<sup>16f</sup>C(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(O)O(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>OC(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(=NR<sup>16f</sup>)NR<sup>16a</sup>R<sup>16a'</sup>, (CHR')<sub>r</sub>NHC(=NR<sup>16f</sup>)NR<sup>16f</sup>R<sup>16f</sup>, (CHR')<sub>r</sub>S(O)<sub>p</sub>(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>S(O)<sub>2</sub>NR<sup>16a</sup>R<sup>16a'</sup>, (CHR')<sub>r</sub>NR<sup>16f</sup>S(O)<sub>2</sub>(CHR')<sub>r</sub>R<sup>16b</sup>, C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R', and (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>16e</sup>;
- 20
- 25
- 30

- R<sup>16a</sup> and R<sup>16a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>16e</sup>;
- R<sup>16b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>16e</sup>;
- R<sup>16d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>16e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>16e</sup>;
- R<sup>16e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>-CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>-OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>-SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>-NR<sup>16f</sup>R<sup>16f</sup>, and (CH<sub>2</sub>)<sub>r</sub>-phenyl;
- R<sup>16f</sup>, at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;
- R<sup>17</sup>, at each occurrence, is independently selected from H and methyl;

R', at each occurrence, is selected from H, C<sub>1-6</sub> alkyl,  
 C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl,  
 and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with R<sup>15e</sup>;  
 5  
 g is selected from 0, 1, 2, 3, and 4;  
 v is selected from 0, 1, and 2;  
 10 t is selected from 1 and 2;  
 w is selected from 0 and 1;  
 r is selected from 0, 1, 2, 3, 4, and 5;  
 15 q is selected from 1, 2, 3, 4, and 5; and  
 p is selected from 0, 1, and 2.  
 20 2. The compound of claim 1, wherein:  
 Z is selected from O, S, N(CN), and N(CONH<sub>2</sub>);  
 R<sup>2</sup> is selected from H and C<sub>1-4</sub> alkyl;  
 25 R<sup>6</sup>, at each occurrence, is selected from C<sub>1-4</sub> alkyl, C<sub>2-8</sub>  
 alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl,  
 (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>6b</sup>,  
 (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a'</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>6d</sup>C(O)R<sup>6a</sup>, and  
 30 (CH<sub>2</sub>)<sub>t</sub>phenyl substituted with 0-3 R<sup>6c</sup>;  
 R<sup>6a</sup> and R<sup>6a'</sup>, at each occurrence, are selected from H,  
 C<sub>1-6</sub>

alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted with  
0-3 R<sup>6c</sup>;

R<sup>6b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl,  
5 C<sub>3-6</sub>  
cycloalkyl, and phenyl substituted with 0-3 R<sup>6c</sup>;

R<sup>6c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub>  
6 cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
10 (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, and  
(CH<sub>2</sub>)<sub>r</sub>NR<sup>6d</sup>R<sup>6d</sup>;

R<sup>6d</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl,  
and C<sub>3-6</sub> cycloalkyl;

15 R<sup>13</sup>, at each occurrence, is selected from C<sub>1-4</sub> alkyl, C<sub>3-6</sub>  
6 cycloalkyl, (CH<sub>2</sub>)NR<sup>13a</sup>R<sup>13a'</sup>, (CHR')OH, (CH<sub>2</sub>)OR<sup>13b</sup>,  
(CH<sub>2</sub>)<sub>w</sub>C(O)R<sup>13b</sup>, (CH<sub>2</sub>)<sub>w</sub>C(O)NR<sup>13a</sup>R<sup>13a'</sup>,  
(CH<sub>2</sub>)NR<sup>13d</sup>C(O)R<sup>13a</sup>, (CH<sub>2</sub>)<sub>w</sub>S(O)<sub>2</sub>NR<sup>13a</sup>R<sup>13a'</sup>,  
20 (CH<sub>2</sub>)NR<sup>13d</sup>S(O)<sub>2</sub>R<sup>13b</sup>, and (CH<sub>2</sub>)<sub>w</sub>-phenyl substituted  
with 0-3 R<sup>13c</sup>;

R<sup>13a</sup> and R<sup>13a'</sup>, at each occurrence, are selected from H,  
C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted  
25 with 0-3 R<sup>13c</sup>;

R<sup>13b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl,  
C<sub>3-6</sub>  
cycloalkyl, and phenyl substituted with 0-3 R<sup>13c</sup>;  
30

$R^{13c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ , and  $(CH_2)_rNR^{13d}R^{13d}$ ;

5  $R^{13d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

$v$  is selected from 0, 1 and 2;

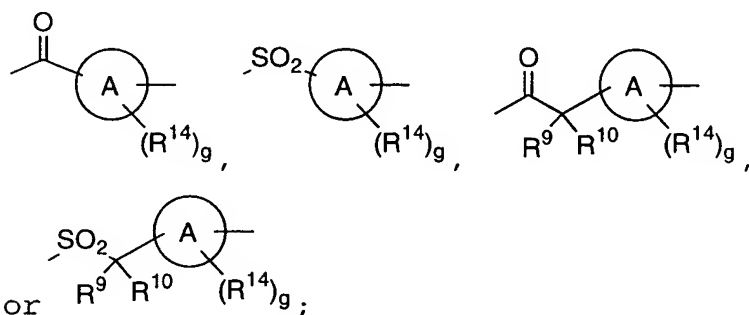
10  $q$  is selected from 1, 2, and 3; and

$r$  is selected from 0, 1, 2, and 3.

3. The compound of claim 2, wherein:

15

E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ ,  $-(SO_2)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ ,



20

$R^3$  is selected from  $(CH_2)_2N(CH_3)_2$ , a  $(CR^{3'}H)_r$ -carbocyclic residue substituted with 0-5  $R^{15}$ , wherein the carbocyclic residue is selected from phenyl,  $C_{3-6}$  cycloalkyl, naphthyl, and adamantyl; and a  $(CR^{3'}H)_r$ -heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl,

25





R<sup>16a</sup> and R<sup>16a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3 R<sup>16e</sup>;

5

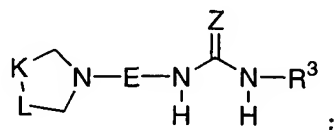
R<sup>16b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3 R<sup>16e</sup>;

10 R<sup>16d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl and phenyl;

R<sup>16e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, OH, and (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl; and

R<sup>16f</sup>, at each occurrence, is selected from H, and C<sub>1-5</sub> alkyl.

20 5. The compound of claim 3, wherein the compound formula (I) is:



25

R<sup>16</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, CF<sub>3</sub>, Cl, Br, I, F, (CH<sub>2</sub>)<sub>r</sub>NR<sup>16a</sup>R<sup>16a'</sup>, NO<sub>2</sub>, CN, OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>16d</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>16b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>16a</sup>R<sup>16a'</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>16f</sup>C(O)R<sup>16b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>16b</sup>,

30

$(\text{CH}_2)_r\text{S}(\text{O})_2\text{NR}^{16a}\text{R}^{16a'}$ ,  $(\text{CH}_2)_r\text{NR}^{16f}\text{S}(\text{O})_2\text{R}^{16b}$ , and  
 $(\text{CH}_2)_r\text{phenyl}$  substituted with 0-3  $\text{R}^{16e}$ ;

$\text{R}^{16a}$  and  $\text{R}^{16a'}$ , at each occurrence, are selected from H,  
 5  $\text{C}_{1-6}$  alkyl,  $\text{C}_{3-6}$  cycloalkyl, and  $(\text{CH}_2)_r\text{phenyl}$   
 substituted with 0-3  $\text{R}^{16e}$ ;

$\text{R}^{16b}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
 $\text{C}_{3-6}$  cycloalkyl, and  $(\text{CH}_2)_r\text{phenyl}$  substituted with  
 10 0-3  $\text{R}^{16e}$ ;

$\text{R}^{16d}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl and  
 phenyl;

15  $\text{R}^{16e}$ , at each occurrence, is selected from  $\text{C}_{1-6}$  alkyl,  
 Cl, F, Br, I, CN,  $\text{NO}_2$ ,  $(\text{CF}_2)_r\text{CF}_3$ , OH, and  $(\text{CH}_2)_r\text{OC}_{1-5}$   
 alkyl; and

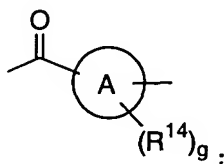
$\text{R}^{16f}$ , at each occurrence, is selected from H, and  $\text{C}_{1-5}$   
 20 alkyl.

6. The compound of claim 4, wherein:

$\text{R}^5$  is  $\text{CH}_2\text{phenyl}$  substituted with 0-3  $\text{R}^{16}$ ;

25

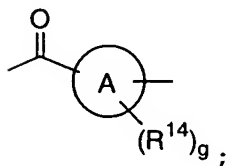
E is  $-(\text{C}=\text{O})-(\text{CR}^9\text{R}^{10})_v-(\text{CR}^{11}\text{R}^{12})_-$ , or



30  $r$  is selected from 0, 1, and 2.

7. The compound of claim 5, wherein:

E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})_-$ , or



$R^5$  is  $CH_2$ phenyl substituted with 0-3  $R^{16}$ ; and

r is selected from 0, 1, and 2.

8. The compound of claim 6, wherein:

J is selected from  $CH_2$  and  $CHR^5$ ;

15 K is selected from  $CH_2$  and  $CHR^5$ ;

L is selected from  $CH_2$  and  $CHR^5$ ;

20  $R^3$  is a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{15}$ , wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantyl, and a  $(CR^{3'}H)_r$ -heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, 25 piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-

triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

9. The compound of claim 7, wherein:

5

K is selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ;

L is selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ; and

10  $\text{R}^3$  is a  $(\text{CH}_2)_r\text{-C}_{3-10}$  carbocyclic residue substituted with  
0-3  $\text{R}^{15}$ , wherein the carbocyclic residue is  
selected from cyclopropyl, cyclobutyl, cyclopentyl,  
cyclohexyl, phenyl, naphthyl and adamantyl, and a  
( $\text{CR}^{3'}\text{H}$ ) $_r$ -heterocyclic system substituted with 0-3  
15  $\text{R}^{15}$ , wherein the heterocyclic system is selected  
from pyridinyl, thiophenyl, furanyl, indazolyl,  
benzothiazolyl, benzimidazolyl, benzothiophenyl,  
benzofuranyl, benzoxazolyl, benzisoxazolyl,  
quinolinyl, isoquinolinyl, imidazolyl, indolyl,  
20 indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl,  
piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-  
triazolyl, tetrazolyl, thiadiazolyl, thiazolyl,  
oxazolyl, pyrazinyl, and pyrimidinyl.

25 10. The compound of claim 3, wherein:

M is absent or selected from  $\text{CH}_2$ ;

Q is  $\text{CH}_2$ ;

30

J is  $\text{CH}_2$ ;

K and L are independently selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ;

Z is O, S, NCN, or NCONH<sub>2</sub>;

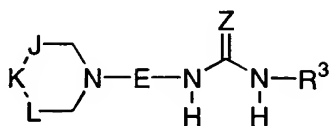
R<sup>1</sup> is H;

5 R<sup>2</sup> is H;

R<sup>3</sup> is selected from a (CH<sub>2</sub>)<sub>r</sub>N(CH<sub>3</sub>)<sub>2</sub>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub>  
carbocyclic residue substituted with 0-3 R<sup>15</sup>,  
wherein the carbocyclic residue is selected from  
10 cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl,  
phenyl, naphthyl and adamantyl, and a (CR<sup>3'</sup>H)<sub>r</sub>-  
heterocyclic system substituted with 0-3 R<sup>15</sup>,  
wherein the heterocyclic system is selected from  
pyridinyl, thiophenyl, furanyl, indazolyl,  
15 benzothiazolyl, benzimidazolyl, benzothiophenyl,  
benzofuranyl, benzoxazolyl, benzisoxazolyl,  
quinolinyl, isoquinolinyl, imidazolyl, indolyl,  
indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl,  
piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-  
20 triazolyl, tetrazolyl, thiadiazolyl, thiazolyl,  
oxazolyl, pyrazinyl, and pyrimidinyl; and

R<sup>5</sup> is selected from a CH<sub>2</sub>-phenyl substituted with 0-5  
R<sup>16</sup> and a CH<sub>2</sub>-heterocyclic system substituted with  
25 0-3 R<sup>16</sup>, wherein the heterocyclic system is  
selected from pyridinyl, thiophenyl, furanyl,  
indazolyl, benzothiazolyl, benzimidazolyl,  
benzothiophenyl, benzofuranyl, benzoxazolyl,  
benzisoxazolyl, quinolinyl, isoquinolinyl,  
30 imidazolyl, indolyl, indolinyl, isoindolyl,  
isothiadiazolyl, isoxazolyl, piperidinyl,  
pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl,  
tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl,  
pyrazinyl, and pyrimidinyl.

11. The compound of formula (II) of claim 8:



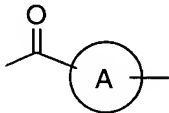
(II)

or stereoisomers or pharmaceutically acceptable salts thereof, wherein:

J, K, and L are independently selected from CH<sub>2</sub> and

CHR<sup>5</sup>;

Z is selected from O, and N(CN);

E is -(C=O)-(CR<sup>9</sup>R<sup>10</sup>)<sub>v</sub>-CR<sup>11</sup>R<sup>12</sup>-, or ;

Ring A is cyclohexyl;

R<sup>3</sup> is selected from (CH<sub>2</sub>)<sub>r</sub>N(CH<sub>3</sub>)<sub>2</sub>, cyclopropyl, -CH<sub>2</sub>-  
cyclopropyl, phenyl substituted with 0-2 R<sup>15</sup>; and a  
(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-2 R<sup>15</sup>, wherein the heterocyclic  
system is selected from morpholinyl, pyridinyl, and  
thiazolyl;

R<sup>5</sup> is selected from a -CH<sub>2</sub>-phenyl substituted with 0-2  
R<sup>16</sup>;

R<sup>9</sup> is selected from H, OH, N(CO)CH<sub>3</sub>, and NR<sup>9a</sup>R<sup>9a'</sup>;

R<sup>9a</sup> and R<sup>9a'</sup>, at each occurrence, are selected from H,  
methyl, ethyl, propyl, butyl, i-butyl;

5 alternatively, R<sup>9</sup> and R<sup>10</sup> join to form cyclohexyl;

R<sup>11</sup> is selected from H, methyl, (CH<sub>2</sub>)<sub>r</sub>CONR<sup>11a</sup>R<sup>11a'</sup>,  
C(O)OR<sup>11b</sup>, and a (CH<sub>2</sub>)-heterocyclic system, wherein  
the heterocyclic system is selected from  
10 morpholinyl and piperidinyl;

R<sup>11a</sup> and R<sup>11a'</sup> are independently selected from H, methyl,  
ethyl, propyl, i-propyl, butyl, i-butyl and t-  
butyl;

15 alternatively, R<sup>11a</sup> and R<sup>11a'</sup> along with the N to which  
they are attached, join to form a 5-6 membered  
heterocyclic system, wherein the heterocyclic  
system is selected from morpholinyl, piperidinyl,  
20 pyrrolidinyl, azapanyl, and N-methylpiperazinyl;

R<sup>11b</sup> is CH<sub>2</sub>-phenyl;

R<sup>11g</sup> is selected from H, methyl, ethyl, propyl, i-  
25 propyl, C(O)OR<sup>11h</sup>, and SO<sub>2</sub>R<sup>11h</sup>;

R<sup>11h</sup> is selected from methyl, ethyl, propyl, i-propyl,  
butyl, i-butyl and t-butyl;

30 R<sup>12</sup> is H;

or alternatively, R<sup>11</sup> and R<sup>12</sup> join to form cyclopropyl,  
cyclopentyl, cyclohexyl, benzocyclopentyl,  
benzocyclohexyl, tetrahydropyan, tetrahydrofuran,

or a 5-6-membered saturated heterocycle containing  
NR<sup>11g</sup> selected from pyrrolidine, and piperidine  
ring;

5 R<sup>15</sup>, at each occurrence, is selected from methyl, ethyl,  
propyl, i-propyl, butyl, i-butyl, pentyl, CF<sub>3</sub>, Cl,  
Br, I, F, NO<sub>2</sub>, CN, OH, OCH<sub>3</sub>, C(O)OR<sup>15b</sup>, C(O)OH,  
C(O)CH<sub>3</sub>, C(O)NR<sup>15a</sup>R<sup>15a'</sup> and a 5-6 membered  
heterocyclic system containing 1-4 heteroatoms  
10 selected from N, O, and S, substituted with 0-2  
R<sup>15e</sup>, wherein the heterocyclic system is selected  
from triazolyl, imidazolyl, tetrazolyl, pyrazolyl,  
oxazolyl, and isoxazolyl;

15 R<sup>15a</sup> and R<sup>15a'</sup> are selected from hydrogen, methyl, ethyl,  
propyl, i-propyl, butyl, t-butyl, and a  
heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-2  
R<sup>15e</sup>, wherein the heterocyclic system is selected  
20 from morpholinyl;

R<sup>15b</sup> is selected from methyl and benzyl;

25 R<sup>15e</sup> is selected from methyl, ethyl and 2-cyanoethyl;

R<sup>16</sup>, at each occurrence, is selected from Cl, Br, I, and  
F,

30 v is 0 or 1; and

r is 0, 1, or 2.

12. The compound of claim 1 wherein the compound is  
selected from:



- N-(3,5-diacetylphenyl)-N'-[3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-urea;
- 5 N''-cyano-N-(3,5-diacetylphenyl)-N'-[3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-guanidine;
- 10 N-(3-acetylphenyl)-N'-[(1S,2S)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 15 N-(3-acetylphenyl)-N'-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 20 N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- 25 N''-cyano-N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]-guanidine;
- 30 N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(4-pyridinyl)-urea;

- N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[2-(4-morpholinyl)ethyl]-urea;
- 5 N''-cyano-N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-guanidine;
- 10 N-[2-(dimethylamino)ethyl]-N'-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 15 N-(5-acetyl-4-methyl-2-thiazolyl)-N'-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 20 N-(3-acetylphenyl)-N'-[1-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 25 N-[3,5-bis(1-methyl-1H-tetrazol-5-yl)phenyl]-N'-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 30 N-[3,5-di(1H-imidazol-1-yl)phenyl]-N'-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- N-[3,5-di(1H-1,2,4-triazol-1-yl)phenyl]-N'-[(1R,2R)-2-[[ (3S)-3-[(4-

fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl  
]-urea;

5 N-(3-acetylphenyl)-N'-[1-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]cyclopentyl]-urea;

10 N-(3-acetylphenyl)-N'-[1-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]-urea;

15 N-(3-acetylphenyl)-N'-[2-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]-2,3-  
dihydro-1H-inden-2-yl]-urea;

N-(3-acetylphenyl)-N'-[2-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]-1,2,3,4-  
tetrahydro-2-naphthalenyl]-urea;

20 N-(5-acetyl-4-methyl-2-thiazolyl)-N'-[1-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]-urea;

25 N-(3-acetylphenyl)-N'-[2-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]-2-oxoethyl]-urea;

30 N-[3,5-bis(1-ethyl-1H-tetrazol-5-yl)phenyl]-N'-[(1R,2R)-  
2-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl  
]-urea;

35 N-[1-[[ (3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

- (alpha-1S,3S)-3-[(4-fluorophenyl)methyl]-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanoic acid, phenylmethyl ester;
- 5 (alpha-1S,3S)-3-[(4-fluorophenyl)methyl]-N-methyl-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanamide;
- 10 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylcarbonyl)-3-oxopropyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- 15 3-[[[[(1R,2R)-2-[[[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]amino]carbonyl]amino]-benzoic acid, ethyl ester;
- 20 3-[[[[(1R,2R)-2-[[[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]amino]carbonyl]amino]benzoic acid;
- N-[1-[[[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]-N'-[3-(4-morpholinylcarbonyl)phenyl]-urea;
- 25 N-[(1R,2R)-2-[[[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[2-methoxy-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- 30 N-[3-[1-(2-cyanoethyl)-1H-tetrazol-5-yl]phenyl]-N'-[(1R,2R)-2-[[[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;
- 35

- N-[(1R,2R)-2-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[3-(1H-tetrazol-5-yl)phenyl]-urea;
- 5 3-[[[1-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]amino]carbonyl]amino]-4-methoxy-N-methylbenzamide;
- 10 N-[1-[[ (3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]-N'-[2-methoxy-5-(4-morpholinylcarbonyl)phenyl]-urea;
- 15 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxo-1-(1-pyrrolidinylcarbonyl)propyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- 20 -(alpha-1S,3S)-N-(1,1-dimethylethyl)-3-[(4-fluorophenyl)methyl]-alpha-[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanamide,
- 25 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxo-1-(1-piperidinylcarbonyl)propyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;
- 30 N-(3-acetylphenyl)-N'-[(2S)-2-amino-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-urea;
- N-(3-acetylphenyl)-N'-[(2R)-2-amino-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-urea;

3-[[[1-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]amino]carbonyl]amino]-4-methoxybenzamide;

5 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-[(4-methyl-1-piperazinyl)carbonyl]-3-oxopropyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

10 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

15 N'-cyano-N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-guanidine

20 3-[(4-fluorophenyl)methyl]-N,N-dimethyl- $\alpha$ -[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]- $\gamma$ -oxo-( $\alpha$ -1S,3S)-1-piperidinebutanamide

25 N-{(1S)-1-({[(3-acetylanilino)carbonyl]amino)methyl)-2-[(3S)-3-(4-fluorobenzyl)piperidinyl]-2-oxoethyl}acetamide;

30 N-{(1R)-1-({[(3-acetylanilino)carbonyl]amino)methyl)-2-[(3S)-3-(4-fluorobenzyl)piperidinyl]-2-oxoethyl}acetamide;

35 3-[[[(1S)-3-[(3S)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]amino]carbonyl]amino]-N-methylbenzamide;

- N*-(3-chlorophenyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;
- 5 *N*-(3-cyanophenyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;
- 10 *N*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-*N'*-(3-methoxyphenyl)urea;
- 15 *N*-cyclopropyl-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea
- 20 *N*-(cyclopropylmethyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;
- benzyl 3-[( [{ (1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]amino } carbonyl] amino]-4-methoxybenzoate;
- 25 *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxo-1-(1-piperidinylmethyl)propyl]urea;
- 30 *N*-[(1*S*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-1-(4-morpholinylcarbonyl)-3-oxopropyl]-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;
- 35 3-[( [{ (1*S*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-1-(4-morpholinylcarbonyl)-3-oxopropyl]amino } carbonyl] amino]-*N*-methylbenzamide;

$N$ -(3,5-diacetylphenyl)- $N'$ -{(1*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}urea;  
5  
 $N$ -{(1*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}- $N'$ -[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;  
10  
 $N$ -{(2*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-3-oxopropyl}- $N'$ -[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;  
15  
 $N$ -(3-acetylphenyl)- $N'$ -{(1*S*)-1-[[*tert*-butyl(methyl)amino]methyl]-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;  
20  
 $N$ -{(2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-3-oxopropyl}- $N'$ -[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;  
25  
(2*S*)- $N$ -cyclopropyl-4-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-[[{3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]amino}carbonyl)amino]-4-oxobutanamide;  
30  
 $N$ -{(1*R*)-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-[[{3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]amino}carbonyl)amino]methyl}-2-oxoethyl)acetamide;  
30  
 $N$ -[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(hexahydro-1*H*-azepin-1-ylcarbonyl)-3-oxopropyl]- $N'$ -[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;



- N*-(1-{2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-oxoethyl}cyclopropyl)-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;
- 5    *N*-((1*R*)-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-[[[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]amino]carbonyl]amino)methyl}-2-oxoethyl)-2,2-dimethylpropanamide;
- 10    *N*-{(1*R*)-1-[[[(5-acetyl-4-methyl-1,3-thiazol-2-yl)amino]carbonyl]amino)methyl]-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-oxoethyl}-2,2-dimethylpropanamide;
- 15    *N*-{(1*S*)-1-{[*tert*-butyl(methyl)amino]methyl}-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;
- 20    *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{(2*R*)-2-(diisobutylamino)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;
- 25    *N*-{(2*R*)-2-(diisobutylamino)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;
- 30    *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{(1*S*)-1-{[*tert*-butyl(methyl)amino]methyl}-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;
- 30    *N*-{(1*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}-*N'*-(4-pyridinyl)urea;

- N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{(1*R*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-hydroxy-1-methyl-3-oxopropyl}urea;
- 5 *N*-(3,5-diacetylphenyl)-*N'*-{(1*R*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-hydroxy-1-methyl-3-oxopropyl}urea;
- 10 *N*-{3-[(dimethylamino)methyl]phenyl}-*N'*-(1*R*,2*R*)-2-[[ (3*R*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl]cyclohexyl}urea;
- 15 3-({[(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)amino]carbonyl}amino)benzamide;
- N*-(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)-*N'*-[2-methoxy-5-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;
- 20 *N*-(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)-*N'*-[3-(5-methyl-1*H*-tetraazol-1-yl)phenyl]urea;
- 25 *N*-{(1*R*)-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-2-oxoethyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea; and
- 30 *N*-(3,5-diacetylphenyl)-*N'*-{(1*S*)-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-2-oxoethyl}urea.

13. A pharmaceutical composition, comprising a pharmaceutically acceptable carrier and a

therapeutically effective amount of a compound according to Claim 1.

14. A method for modulation of chemokine receptor activity comprising administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1.

15. A method for treating or preventing asthma, comprising administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1.

16. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 1, or a pharmaceutically acceptable salt thereof.

20

17. The method of claim 14 wherein modulation of chemokine receptor activity comprises contacting a CCR3 receptor with an effective inhibitory amount of the compound.

25

18. A method for treating or preventing inflammatory disorders comprising administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 12, or a pharmaceutically acceptable salt thereof.

30

19. A method according to Claim 18, wherein the disorder is selected from asthma, allergic rhinitis,

atopic dermatitis, inflammatory bowel diseases,  
idiopathic pulmonary fibrosis, bullous pemphigoid,  
helminthic parasitic infections, allergic colitis,  
eczema, conjunctivitis, transplantation, familial  
5 eosinophilia, eosinophilic cellulitis, eosinophilic  
pneumonias, eosinophilic fasciitis, eosinophilic  
gastroenteritis, drug induced eosinophilia, HIV  
infection, cystic fibrosis, Churg-Strauss syndrome,  
lymphoma, Hodgkin's disease, and colonic carcinoma.

10

20. The method according to Claim 19, wherein the  
disorder is selected from asthma, allergic rhinitis,  
atopic dermatitis, and inflammatory bowel diseases.

15

21. The method according to Claim 20, wherein the  
disorder is asthma.